

Product datasheet

Anti-TSH antibody [10C7] ab6071

1 References

Overview

Product name	Anti-TSH antibody [10C7]
Description	Mouse monoclonal [10C7] to TSH
Specificity	This antibody does not cross-react with human LH, FSH, HCG.
Tested applications	Suitable for: Indirect ELISA
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) corresponding to TSH. Full length native protein (purified) from human pituitary gland.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
Purity	Protein A purified
Purification notes	Purity is tested by electrophoresis.
Clonality	Monoclonal
Clone number	10C7
Myeloma	Sp2/0
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab6071** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Indirect ELISA		Use at an assay dependent concentration.

Target

Relevance

Thyroid stimulating hormone, also known as thyrotropin, is secreted from cells in the anterior pituitary called thyrotrophs, binds its receptors on epithelial cells in the thyroid gland, and stimulates that gland to synthesize and release thyroid hormones. TSH is a glycoprotein hormone composed of two subunits which are non covalently bound to one another. The alpha subunit of TSH is also present in two other pituitary glycoprotein hormones, follicle stimulating hormone and luteinizing hormone, and, in primates, in the placental hormone chorionic gonadotropin. Each of these hormones also has a unique beta subunit, which provides receptor specificity. In other words, TSH is composed of alpha subunit bound to the TSH beta subunit, and TSH associates only with its own receptor. Free alpha and beta subunits have essentially no biological activity.

Cellular localization

Secreted

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